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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Caspase-9/CASP9 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PB9332-Fluoro647

About CASP9

CASP9 is also known as MCH6 or APAF3. This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein can undergo autoproteolytic processing and activation by the apoptosome, a protein complex of cytochrome c and the apoptotic peptidase activating factor 1; this step is thought to be one of the earliest in the caspase activation cascade. This protein is thought to play a central role in apoptosis and to be a tumor suppressor. Alternative splicing results in multiple transcript variants.

Overview

Product Name	Anti-Caspase-9/CASP9 Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P55211

Technical Details

Immunogen	E.coli-derived human Caspase-9 recombinant protein (Position: E3-D228). Human Caspase-9 shares 63% amino acid (aa) sequence identity with mouse Caspase-9.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm

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Suggested Dilutions	Optimal dilutions should be determined by end users.

17 Publications Citing This Product

1. PubMed ID: 25344274, Huang C, Lin Y, Su H, Ye D. Neurochem Res. 2015 Jan;40(1):27-35. Doi: 10.1007/S11064-014-1461-5. Epub 2014 Oct 25. Forsythiaside Protects Against Hydrogen Peroxide-Induced Oxidative Stress And Apoptosis In Pc12 Cell.

2. PubMed ID: 20043050, Li B, Chu X, Gao M, Li W. Acta Biochim Biophys Sin (Shanghai). 2010 Jan;42(1):80-9. Apoptotic Mechanism Of Mcf-7 Breast Cells In Vivo And In Vitro Induced By Photodynamic Therapy With C-Phycocyanin.

3. PubMed ID: 28197193, Chinese herbal medicine Yougui Pill reduces exogenous glucocorticoid-induced apoptosis in anterior pituitary cells

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Anti-Caspase-9/CASP9 Antibody - Fluoro647

For Research Use Only. Not for use in diagnostic procedures.